

★ High Pressure Pump

for LNG fuelled 2-stroke dual fuel marine engines

Electric motor driven reciprocating cryogenic pump to deliver up to 500 l/min of LNG per unit at a delivery pressure of 360 bar. Each unit is installed on a single, rigid skid, with a variable speed motor. In duplex to quintuplex configuration depending on flow requirements.



★ Key Advantages of Cryostar High Pressure Pumps:

★ Efficient

- ★ High tech vacuum jacketed pump cylinders reduce heat inleak and gas wastage
- ★ Optimised suction chamber reduces NPSH to a minimum, eliminating booster pumps in most cases
- ★ Low power consumption
- ★ Internal splash lubrication avoids external lube oil pump skids

★ Compact

- ★ Compact arrangement makes efficient use of space
- ★ Vertical motor orientation further reduces footprint

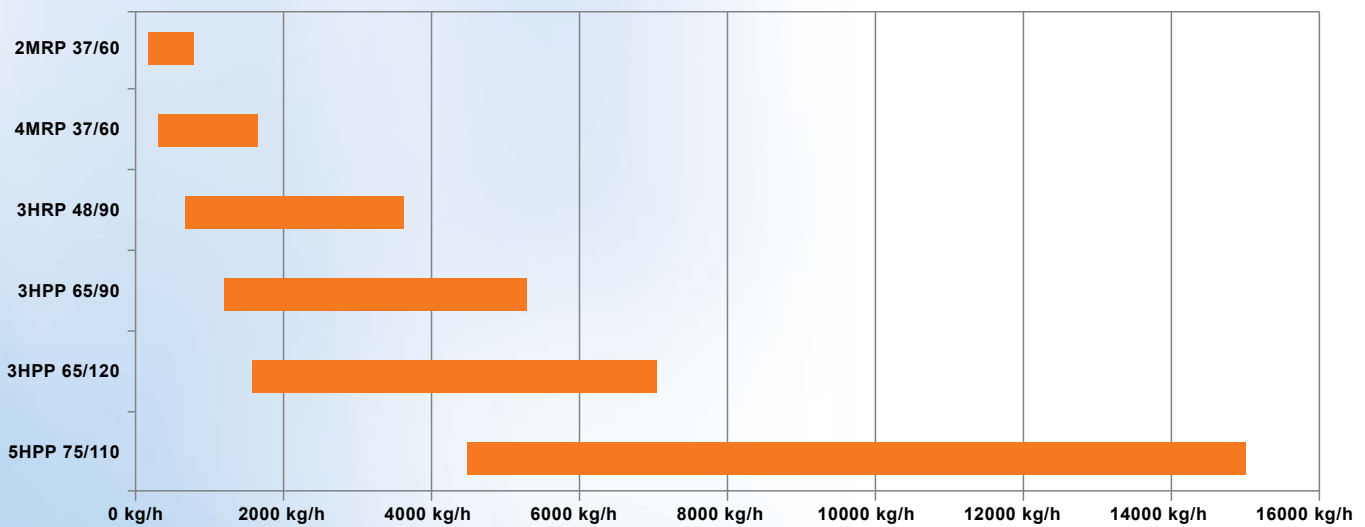
★ Maintainable

- ★ Robust construction ensures long gearbox service life
- ★ Unique pump chamber connection allows simple maintenance
- ★ Low piston speeds reduces pump wear
- ★ Accessibility designed in from the start





★ Several models to fit with any engine flow requirement



★ Main characteristics



		2MRP 37/60	4MRP 37/60	3HRP 48/90	3HPP 65/90	3HPP 65/120	HPP Quintuplex
Max flow (LNG: $\rho=0.48$)	kg/h	~750	~1580	~3490	~5100	~6775	~15000

Medium		LNG					
Maximum Speed	rpm	239	251	285	220	220	230
Flow range	l/min	8~26	15~55	34~121	56~177	75~235	150~500
Max. Suction Pressure	bar g	15					
Nom. Discharge Pressure	bar g	320					
Max. Discharge Pressure*	bar g	360					
Piston diameter	mm	37	37	48	65	65	75
NPSH _R	m	<1m					
Stroke	mm	60	60	90	90	120	110
Motor Power**	kW	45	55	90	150	200	450

*Max Discharge Pressure can be higher on request

**Pump is driven by electrical motor as standard. Hydraulic motor option available

